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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	D. A.C 11	Name of Patentee or	Pages, Columns, Lines,	
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T [®]
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
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ah.v.	2	"A Browser-Based System to Support & Deliver DE," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998、ハロカロ 179-484		
	3	"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992. Region et al		
	4	"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995, Reye		
	5	"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references, Semante et al.	·	
	6	"A Special Section Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, NovDec. 1994	valco	uslci, pp3-8
	7	"An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9, Sep. 1997. (4) (4000 et al., 00 Sto-53		, ,
	8	"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997		
	9	"Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 39-46 Dec. 1997, Malcabayashi et al		
	10	"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html, McArthur, pp4-8, Jan.	dp	Ŀ
	11	"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" at http://www.cs.umass/edu/~tmurray/papers/ATSummary/AuthTools.html		
	12	"Automate Your Business Plan" at www.business-plan.com/screen2.html pp 1-4 July 2	80j.	
	13	"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994, Gouzalez et al		
	14	"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html ,	ntie	werff, ppa-i
	15	"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html	1985	1April 1994
	16	"Brainmaker" at www.npiec.on.ca/~echoscan/28-04.htm July 2004, 1 046	4	
	17	"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	et al	
W.h	18	"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5, Shreiner, 2000		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T 2 Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials * No. number(s), publisher, city and/or country where published. "Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of 19 Computers in Adult Education and Training, Vol. 5(1), pp. 3-14. Problem. November "Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational 20 Technology, Nov. Dec. 1994, Montgowery et al. pp 15-20 *DDD-A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31 21 No. 1, pp. 22-27 "Developing a Design System Into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 720 April 2100

"Developing a Design System Into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 720 April 2100

"Development of a Simulation of Simula 22 23 *Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control 24 Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17., Nogami et al, Jan. 1994 *Development of an Integrated Simulator and Real Time Plant Information System," Advances in 25 Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996, pp. Gouzalez et al, September "Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in 26 Education, pp. 482-89, Dec. 1997, Brusilousky et al "Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute 27 for the Learning Sciences, January 1996, pp. 1-37, Schaule et al "Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. 28 Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994, Giemer http://www.jls.nwu.edu/~e_for_e/nodes/i-M-INTRO-ZOOMER-"Engines for Education" URL: 29 2994, Schaule pg.html; viewed Feb. 15, 1999. "Enhancing Simulation Education with Intelligent Jutoring Systems," Proc. Of the 1996 Winter 30 Simulation Conf., pp. 675-80, Dec. 1996 Taylor et al "Evaluating Intelligent Tutoring with Gaming Simulations," Proc. Of the 1995 Winter Simulation 31 Conf., pp. 1376-83, Dec. 1995 Siemer "Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-32 Mitrori ex al <u>, ኢøøø</u> Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in 33 Accounting, Finance and Management, Vol. 4, 1995 Scoten Wer, Foster "From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997, Wergod 34 A Conversation with Roger C. Schank," "Goal-Based Scenarios and Business Training: 35 Educational Technology, Nov.-Dec. 1994, Galam, 6027-29 "Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen 30-72 36 Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994, "Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30 , ຽວປາລາປະ 37 "Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 38 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57. , Ricce 1 az dan'ı Exert Syltems Vol. 3 No. 3 Loo 454- 4 62 Anti- 1986 Intelligent Tutoring Systems: An Overview at http://www.intelligent Syste 39 "Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, 40 No. 10, pp. 144-145, Calm bucher "Interface design issue for advice-giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-41 31, Carroll et "KBLPS Overview" at www.cqi.com/CGIWEB/KBLPS/overindex4.html , 42 Releases TaxCut Press "Kiplinger 43 PP 4-7 http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html

"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т2
Ma.	45	"Microworlds and Simuworlds: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49 (e+ a)	EI VED
	46	"MUSE U.S. Patents" OCCAM Research Corporation, at www.muser.com/html/patents.html	
	47	"News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html, 1 pag by it July	1 7 2004
	48	"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35, Co kin	0100
	49	"Object Lens: A "Spreedsheet" for Cooperative Work", ACM Transactions on Information 3 20180 0 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html, Lai et al, pp 332-353	y Center 2100
	50	"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982,	ta
	51	"Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	
	52	"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/rtcl57.html, Aug. 1997 , 15 (
	53	"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41, Cl cary	<u>+ 4</u>
\bot	54	"Projects: FinPlan System" at www.rrial.org.ru/FinPlan/, 00 12, Jaly 2004	
	55	"RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997.	cedo et al
_	56	"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-6.asp, Cook	r. 1988
	57	"Simulation Technology and Parallelism in Learning Environments" at http://www.to.utwente.nl/pri/min/Book/chapter1.htm \(\tau_i \), \(\tau_i \), \(\tau_i \)	
	58	"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63, Shire of a l	
	59	"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-130, Aug. 1995	-
	60	"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133- 141, Hufuer et al , 6993	
	61	"Socialized Collaborative Learning in Multimedia Virtual Worlds" URL: http://www.iscs.nus.edu.sg/labs/learning/lels/VRML.html; viewed_Eeb_16, 1999 7 \ \(\Lambda \) \(\D \) \(\Lambda \) \(\D \) \(\Lambda \)	4-4
	62	"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999 Whithiuston et al., Pa. 26-33	(.
	63		2000
	64	"Teaching Through Case-Based Reasoning: An ITS Engine Applied to Business Communication," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 111-18 Dec. 1997	detal
	65	"Teaching with the internet" 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222 , 14evro n	
	66	"Technical Report: Computer Aided Education and Training Initiative" at http://adviearn.irdc.pitt.edu/adviearn/papers/FINALREP.html , Surfue J January 1993	8 pp 12 - 52
	67	"Developing a WFT Workflow System", Workflow Template, Chapter 8, 1998, pp. 8-1/8-23	77
	68	"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	
	69	"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985, Anderjon of al	
	70	"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursoseducation/intelligent-tutoring.html Mc Arthur est ut	1993/ pp 1-
T	71	"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997, Van Doolingen et a	
	72	"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998, Kumar et al ; pp +4L - 1d6	,
77.	73	, , , , , , , , , , , , , , , , , , ,	200 E 154



		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Mr. 14		"TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html ppd-	<u>~</u>	
	"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulat Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. pp. 109-140. May 20 is the simulation of the standard of the stand			
	76	"User-Sensitive Multimedia Presentation System," IBM Technical Disclosure Bulletin, March 1, 1996, Vol. 39, No. 3, pp. 93-94		
	"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Pro Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994, Kemp et al			
	"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 199 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997, Venif			
	79	"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	0997	
	What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium (Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998, Breuces			
	81	"Why Should the Teens Have All the Best Games? Management Skill with Oil, Health, Housing Games," Computergram Int'l, June 179, 1996 , P (L-L-		
	82	"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html, Cam et a 6 10 6 00 1 5		
	83	"Computer Dictionary", 1997, Microsoft Press, 3 rd Ed., pp. 264, 276, 383, 446, 462, 507.		
	84	"Flexible Learning", Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+ 39, Gran	mg -	
	85	The Prototype of the Virtual Classroom*, Interactive Multimedia Distance Learning (IMDL): NLII Viewpoint, FailWinter 1997, WWSon et al., 00 al-9		
	86	"Multimedia Training Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26, (a)		
Mi.H	87	"The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer. A Success Story", 1996. Segren et al. pp 522-54		

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